

# Silamin

Silamin supplies silicon and potassium for plants and has been found to improve drought tolerance and delay wilting in certain crops where irrigation is withheld. Silicon with the arrival to the epidermis cell walls forms tight layers against a variety of fungal pathogen attack such as phytophthora. It also strengthen the crops against a variety of pests. Silamin enhances the plant's ability to resist heavy metal toxicities. Silamin also increases the movement of food and plant metabolism due to salinity resistance and growth rate enhancement.

Application of Silamin improves photosynthesis efficiency. Silamin offers growers these performance benefits in many agricultural applications. The use of this compound for agricultural products such as rice, vegetables, cereals, greenhouse plants, pistachio orchards and other fruit trees is recommended.

## Benefits

- Increases shoot and root density, resulting in higher yields
- Increases heat tolerance and reduces transpiration
- Increases plant resistance to disease and insects
- Regulates uptake of toxic elements
- More upright growth and rigidity
- Increases cell wall strength

## Composition (W/V) %

SiO <sub>2</sub>	26.6
K <sub>2</sub> O	13.3

## Addition rate

Crop	How to use	Dosage	Time
Rice	Foliar Application	1 - 2 Liters/ha	3 stages including seedlings, transplanting and reproductive phase
Field Crops	Foliar Application	3 - 5 liters per 1000 liters of water per hectare	3 stages after the formation of fruits
Pistachio	Foliar Application	3 - 5 liters per 1000 liters of water per hectare	3 stages after the formation of fruits
Fruit tree	Foliar Application	1 - 2 liters per 1000 liters of water per hectare	2 weeks after the formation of fruits
Corn	Foliar Application	1.5 Liters/ha	4 to 6 leaves Stage
Vegetable fruit	Foliar Application	3 Liters/ha	6 leaf stage and repeat after the formation of fruit
Vegetable	Foliar Application	3 Liters/ha	After the leaves are fully formed
Strawberry	Foliar Application	2 liters per 1000 liters of water per hectare	The beginning of the formation of fruits and repeating every month

It is recommended to use this product in fertigation of 10 to 15 liters per hectare for field crops and fruit trees

**Warning:** Avoid mixing silicon-containing fertilizers with calcium products